

## ABSTRACT

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This invention relates to new use of marine cyano bacterium *Lyngbya*, *Oscillatoria*, *Sprulina*, *Anabaena* and *Synechocystis* being deposited with ATCC having accession no .....for the removal of calcium ions from sea-brine and sub-soil brine having density range 10 to 25.5°Be', said use comprising culturing the cyanobacteria, inoculating the said cyanobacteria culture to raw brine of 10 to 25.5°Be', filtering the resultant mixture to obtain a brine having less calcium and to separate the cyanobacteria which can be reused if desired.

## TITLE

An Improved Process For The Removal Of Calcium Ions From The Brine By Marine Cyanobacteria

## ABSTRACT

This invention relates to new use of marine cyano bacterium *Lyngbya*, *Oscillatoria*, *Spirulina*, *Anabaena* and *Synechocystis* being deposited with ATCC having accession numbers ATCC PTA-4602 and 4603 for the removal of calcium ions from sea-brine and sub-soil brine having density range 10 to 25.5 °Be', by culturing the cyanobacteria, inoculating the cyanobacteria culture to raw brine of 10 to 25.5 °Be', filtering the resultant mixture to obtain a brine having less calcium, and separating the cyanobacteria which can be reused if desired.